



THE EVENING HERALD.

centuries, with the law of a clock that does not run awa. An American is the inventor—the first American to contribute aything fundamental to the science first "date."

This early chap—call him Tar-

Time is a miraculous thing—an or Ahaz or anything you will—semental, besting. The probably wanted to meet Miss Maisprings or weights of an ardinary clock were never worthy of its distingtion avenue and Dinosaur street alty. Now another basing element has been made to run in the same harness. Electricity, imprisoned in a suber-tooth gathering expedition harness. Electricity, imprisoned in a suber-tooth gathering expedition.

This early chap—call him Target will be miracing to make the sundial is indicated by the record of the miracing in Isafah, 38:8.

Water through a tiny opening from the sundial is indicated by the property of the miracing in Isafah, 38:8.

Behold, I will bring again the shadow of the degrees, which is possible with the property of the shadow of the degrees, which is possible with the pushes and had the business.

ly, four classes of timepleces, the sundial, the clepsydra, the candle clock and the mechanical clock of

new under the sun.

What Time to It?

No sooner had man appeared on at intervals of space to measure years ago.

clock, will "mark time." mannishly, "when the sun is three gone down in the sandial of Ahaz.

There had been until now, roughhands high."

ed pompadour uncertainly and It did very well as long as Tar-The electric clock is something grunted. Then he had an important gans were making dates with Mail speaker. This speaker had a habit "Fil tell you," he said, "meet me munity of Habylon discovered the ly Coun the Court drinking glass.

Night Life in Dabylen

That ancient Israel took its time ter." By regulating the flow of cleavyd

England ministers to

time a two-hour

returned ten degrees, by which de he set up a depsydra in the Roman grees it was gone down." Law Court to limit speeches. When was but a modified clepsydra, and the burning rope or punk of the Chinese but another type of candle Clock.

Tarsan scratched his bear greas. when the shadow from the inoundoes not record Eve's tain just touches the river."

The shadow from the inounfase instring of high life part right "It would be a greater resief to the
away the sundar woeldn't do.

Night Life in Dabylen

Thistory was made right there,

A Willard Grandfather Clock, One of the earliest of America's

Alfred the Great is reputed to rave invented the candle clock, or candle which burned a given distance in a given time. The Romans had preceded him with the lamp clock, however, and the Chithe Romans, burning a rope of uni form texture. Any boy can tell time the Chinese way by lighting + twine string and noting by clock how long it takes to consume the first inch. After that-as long as the string lasts-he can dispense with the clock

King Henry's Poker Session

The origin of the mechanical i clock is, like that of so many latest-is it possible to say the Mr. Tiffany's home has kept perfect things, shrouded in mystery. A last?—word in time recording is time since 1980, mechanical clock was installed in the work of George S. Timany of The first cru Night Life in Dabyien

Some of the skyster inverse used in the work of George S. Thrany of sundial was invented it was only have been asking it ever a small step from the discovery when it was midnight or run the discovery when it was midnight or run the sun it is the most popular and int question in the world of the placing of an upright pole in the placing of an upright pole in the classical content in the world of the placing of an upright pole in the classical content in the world of the placing of an upright pole in the classical content in the world of the world of the placing of an upright pole in the classical content in the world of the world of the placing of an upright pole in the classical content in the world of the world of the placing of an upright pole in the classical content in the world of the world of the placing of an upright pole in the classical content in the world of the placing of an upright pole in the classical content in the world of the placing of an upright pole in the content in the classical content in the world of the world of the placing of an upright pole in the classical content in the world of Birrhor can appreciate what the chimesi the hours. King Henry clock, without weights or springs, cetton gin and Langley's airplane, Clepsydra means "tidef of was same substance would do to a VIII, who was a figuredal as well which runs a year or more without as another revolutionary product as a matrimonial plunger, gambled attention. Other "electric" clocks of American inventive genius.

would have lost the Abbry, too, if his opponent could have taken it

clockmaker, but the most famous current consumption is from one early American clockmakers were and a half to one and three-quarthe Willards. All were New Eng-

The most modern device for recording time's flight operates on a small battery. It has neither weights nor springs and rune without winding.

had been built, but these were simply old fashioned clocks which were wound up at intervals by batteries. Tiffany's clock is actually run by battery-a small dry cell such as are used in flashlights.

The Clock That Is Never Wound

The circuit through an electrobroken by a contact needle on a torsional pendulum. With the doequent energizing of the magnet, an armature is attracted and lifted nto contact with the magnet. The brenking of the circuit allows the armsture to drop, under gravity, and this drop revolves a ratchet wheel which is connected with the hands of the clock, a short distance The pendulum does no mechanical work, acting only as a regulator, and is kept in motion by the open Ell Terry was too first American ing and closing of the circuit. The tern ampere hours a year. One of these clocks has run two and a half The clock which embodies the years on one battery. A clock in

The first crude clock built by

bility of increasing the output of fields east of the Rocky mountains. gasoline by 129,000,000 gallons in addition, several are running through more complete condensation Mexican crude. Information from of still vapors at the petroleum refin. California refineries indicates that eries, was suggested today by the cantent of the smaller gaseline content of the California crude, there are no recovery plants of importance tion by D. B. Dow, the bureau's pet- in that state. The average recovery

gallons were recovered from uncon- ed to four-tenths gallon per barrel of crude oil charged. densed still vapors at refineries in

refineries, would give a possible gas- crease in the future, because coudes oline recovery by this method of 170,- are being handled in the field with 000,000 gallons yearly," the bureau more and more care to avoid eva-

"The calculations of the bureau of tions than at present. in refineries whose general methods ed by heating crude oil is affected in are more efficient than those employ: the refinery by leading vapora thru ed in the hundreds of smaller skim- coils of pipe submerged in water. On ming plants that have no recovery cooling, most of the vapor becomes systems. It is assumed that in the liquefied, but a certain amount of less efficient skimming plants, located vapor, due to insufficient time for od in sections where the supply of proper cooling or the fact that its coid water, so essential for condenser condensing point is lower than the fineries studied. This should be ester fractions will not be condensed, pecially true of Okiahoma, north for the reason that their liquefac-Texas and Louisiana skimming plants tion points are affected by the preand where cold water is scarce. A part of this uncondensed vapor is survey of these plants, it is believed, dissolved in the liquid that has conwould show that their losses in uncondesed still vapors would be much "Condensation of the vapors com-

periods of time.

Tarzan Has a Hunch

condensation of these vapors has 651 gallons of gasoline daily from off to some extent. An unusual ex- drop in cooler weather. uncondensed still vapors. These plants are situated in the various refining centers, other than the Paci-WASHINGTON, July 17 .- Possi- fie coast, and are running crude repof gasoline at the refineries investi-Dow estimated that 50,000,000 gated by the bureau of mines amount-

"Unless preventive measures are "Application of the system to all ure to condense still vapors will insaid in a statement. poration and will therefore contain much lighter and more volatile frac-

use, is scarce, greater recoveries temperature of the water, will recould be made than if the large re- main uncondensed. Also, certain othwhere summer temperatures are high sence of other hydrocarbons. A small

higher than in the plants where the ing from the still into liquid is ac- complished either by passing them

studies of the bureau of mines were surfacts i expensed to the air or through pipes or shalls having large through coils submerged in water. | ample of this is a certain skimming "Atmospheric temperature is an plant which produces about 6,000 Important factor in the production of gallons of compression gasofine daily gasoline from uncondensed refinery through the summer months, but that have recovery systems. The ter months, due to more complete day in the winter. Ordinarily, the thirteen refineries studied by the condensation of the vapors, the pro- difference is far less, but there is ing all kinds of "Durham" in your bureau of mines are obtaining 128, duction of the 'gas' plant will full always a tendency for production to paper about the highways and by-

SEE BEETHOVEN, THEN HIS SONATA



This remarkable photograph of the great composer is from a painting, symbolic of his masterpiece, the Passionate Sonata. Draw the lids of your eyes close together, glimpse through the eyelashes and you will see Beethoven. Open the eyes wide and you will see what

Letters from the People

July 15, 1922.

The undersigned has been readways of Klamath county the last few years, and the latest is from A. A. Soule. I see be is advocating a road along the Klamath river. Weil, if that road had been built finished some day, The only di- September 21,

I am not advocating this road bear vations on the Islands of Tahili. with half common sense would see sued by Dr. Campbell. at a glance that the Weed-Klamath Falls route is the best to all concerned. There have been hundreds of people here the last couple . Mrs. Newmother I wish I knew of years asking the nearest road what to name the twin boys, across the swamp and make it Houston Post, thirty miles shorter. There was a good substantial bridge built across the straits of Ady a couple of years ago, it is just like building Miss Dryden—I think men are a bridge between two little islands in the ocean. What is the use of the bridge when you cannot get to the bridge when you cannot get to Mr. Dryden—No. are very much it? Therefore I say let us get the Mr. Dryden—No. are very much E. T. Boatman, who has nad a large experience in some of the most up-to-date shoe stores in Portland. Oregon, and who is a gentleman of pleasing personality, is now with J. E. Eladers & Co. in the shoe department.

they can live on scenery, let thembuild the road along the Klamath river and enjoy themselves. Respectively,

THEO. D. YOUNG.

real highway no doubt that would tone of scientific instruments have goles, he claims. have been the best route into this been shipped from the Lick Observa- This mechanism, soon to be exhibcountry, and to build it now would tory, near San Jose for Freemantle, ited before Washington officials in probably run into a million dollars. they will be used by members of the time calculation, slivides the year The Greenspring road is now well observatory's party in making obser- into 264 days, or 13 months of 28 underway so that will have to be vations of a total solar cellpse on days each-

rect inlet from the south, and the Dr. W. W. Campbell, director of work within which astral movements nearest, is via Weed and Dorris, so the observatory, leaves San Francis- are duplicated in miniature, Propelwhy not try and get that under co for the Freemantle coast on July led by an eight-day motorclock, the construction. As for an all-winter 18, at the head of the second section earth and moon revolutions are efroad. I should think if there was of an expedition sent out by the feeted by an intricate series of gears, a good hard surface road it could Lick institution. The first section, the whole synchronized with mathebe traveled almost any time of which started several months ago, matical precision. The earth's orbit has been making preliminary obser-

forsaken out-of-the-way no-name- test the Einstein relativity theory, it flawless. His invention lan't for on-the-map burg, but any person according to a glatement recently is;

RELIC OF PAST

to Dorris and Weed. When told Uncle Whetmore-Name 'em Tom which way to go they say h-II, and Jerry and I'll make 'em a we just came from there. Why in present of a fine china mug with Sam Hill don't they build the road their names on it in gold letters.

NOTHING HIDDEN

Weed-Klamath Falls road built and else concealed by their clothing. | ment,

WASHINGTON, July 17 .- Birthdays and holidays would fall on the same week day annually, much confucion would be averted, and millions of dollars spent in compiling calendara would be saved yearly if time were reckoned by a device just peryears ago and later improct to at SAN FRANCISCO, July 17 .- Eight feeted by G. E. Paucher of Los An-

It consists of an atuminum framela divied into 364 equal segments.

Faucher has been checking its percause I happen to live in this God- The observations to be taken will formance for months, and declares gate, but will be used for lecture purposes only.

HER MISTAKE

The Maid-And even after you met your ideal man you were hot happy?

The Matron-I made the mistake of marrying him, my dear.

A SWEET POTATO SWEETHEART urnip-Do you, like Miss Yam. Chemuber Sure, she's my sweet